

Title (en)  
COMPRESSION-TUNED FIBER LASER

Title (de)  
KOMPRESSIONS-ABGESTIMMTER FASERLASER

Title (fr)  
LASER A FIBRE ACCORDE PAR COMPRESSION

Publication  
**EP 0783780 B1 19981125 (EN)**

Application  
**EP 95934505 A 19950921**

Priority  
• US 9512120 W 19950921  
• US 31628194 A 19940930

Abstract (en)  
[origin: WO9610854A1] A fiber laser (26) including a rare-earth doped fiber laser cavity (32) delimited by a pair of reflective elements (28, 30), such as Bragg gratings, is tuned by compressing the cavity (32) and the gratings (28, 30). Because an optical fiber is much stronger under compression than in tension, the laser (26) is tunable over a much broader range than conventional tension/stretching techniques.

IPC 1-7  
**H01S 3/06**; **H01S 3/10**

IPC 8 full level  
**H01S 3/06** (2006.01); **H01S 3/067** (2006.01); **H01S 3/1055** (2006.01); **H01S 3/17** (2006.01)

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